Listing of Claims

This listing of claims will replace all prior versions of claims and listings of claims in the application:

1. (Currently Amended) A monitoring system for distributed utilities, the monitoring system comprising:

    a. a generation device for converting an available resource to a desired utility, the generation device characterized by a plurality of operating parameters;

    b. an input sensor for measuring input to the generation device;

    c. an output sensor for measuring consumption of output from the generation device;

    d. a local controller for concatenating measured input and consumption of output on the basis of the input and output sensors; and

    e. a remote controller for modifying operation of the generation device based on the concatenated measured input and consumption of output.

2. (Original) A monitoring system according to claim 1, further comprising at least one sensor for measuring at least one parameter of the said plurality of operating parameters of the generation device.

3. (Currently Amended) A monitoring system according to claim 2 [[1]], wherein the at least one sensor is a heat transfer monitor.

4. (Currently Amended) A monitoring system according to claim 2 [[1]], wherein the at least one sensor is a flow impedance monitor.

5. (Original) A monitoring system according to claim 1, wherein the generation device is a water purifier.

6. (Currently Amended) A monitoring system according to claim 1 [[6]], wherein the input sensor is a flowrate monitor.

7. (Currently Amended) A monitoring system according to claim 6, wherein the output sensor includes a water quality sensor including at least one of a <u>turbidity</u> ~~turpidity~~, conductivity, and temperature sensor.

8. (Original) A monitoring system according to claim 7, further comprising a shut off switch that automatically turns off said generation device when said water quality sensor rises above a pre-programmed water quality value.

9. (Original) A monitoring system according to claim 7, further comprising an alarm that alerts a user when said water quality value rises above a pre-programmed water quality value.

10. (Original) A monitoring system according to claim 7, further comprising a remotely operable shut off switch.

11. (Original) A monitoring system according to claim 1, wherein the generation device is an electrical power generator.

12. (Original) A monitoring system according to claim 11, wherein the input sensor includes a fuel consumption rate monitor.

13. (Original) A monitoring system according to claim 11, wherein the output sensor includes an electrical usage meter monitor.

14. (Original) A monitoring system according to claim 1, further comprising a telemetry module for communicating measured input and output parameters to a remote site.

15. (Original) A monitoring system according to claim 14, wherein the telemetry module is a cellular communications system.

16. (Original) A monitoring system according to claim 14, wherein the telemetry module is a wireless system.

17. (Original) A monitoring system according to claim 1, further including a remote actuator for varying operating parameters of the generator based on remotely received instructions.

18. (Original) A monitoring system according to claim 1, further including a self-locating device having an output indicative of the location of the monitoring system.

19. (Original) A monitoring system according to claim 18, wherein the self-locating device is a global positioning system.

20. (Original) A monitoring system according to claim 18, wherein monitored characteristics of input and output depend upon the location of the monitoring system.

21. (Currently Amended) A method for assembling a monitoring system comprising:
   a. providing a generation device;
   b. coupling an input sensor for measuring input to the generation device;
   c. coupling an output sensor for measuring consumption of output from the generation device; and
   d. coupling a local controller to the input and output sensor for concatenating measured input and consumption of output on the basis of the input and output sensors; and
   e. providing a remote controller for modifying operation of the generation device based on the concatenated measured input and consumption of output.

22. (Original) The method of claim 21, further comprising:
   a. providing communication between a telemetry module and said controller; and
   b. providing communication between said telemetry module and a monitoring station.

23. (Currently Amended) A distributed network of utilities, including at least one of a source of purified water and a source of electrical power, the distributed network comprising:

    a.   generators for converting a resource into a useful utility;

    b.   input sensors for measuring inputs to respective generators;

    c.   output sensor for measuring consumption of output from respective generators;

    d.   a telemetry transmitter for transmitting input and output parameters of a specified generator; and

    e.   a remote <u>controller</u> ~~processor~~ for receiving input and output parameters from a plurality of utility generators <u>and modifying operation of the generators based on the measured input and consumption of output</u>

24. (Original) A method for providing distributed utilities, the method comprising:

    a.   providing a generator to a user;

    b.   monitoring at least one index of generator usage to supply a utility; and

    c.   charging the user on the basis of the index of generator usage.